
Claims 1-47 (Canceled).

48. (Currently Amended) An isolated proteinic or glycoprotein inhibitor of xylanase, which inhibitor is a water-soluble, alkaline protein or glycoprotein, which protein or glycoprotein comprises an N-terminal amino acid sequence which is at least 70% homologous to SEQ ID NO:1, said inhibitor having ~~has~~ a pI of greater than about 7.0, and ~~has~~ a molecular weight of about 40-43 kDa as measured by SDS-PAGE.

E1
49. (Currently Amended). An isolated proteinic or glycoprotein inhibitor of xylanase, which inhibitor is a water-soluble, alkaline protein or glycoprotein, which protein or glycoprotein comprises an N-terminal amino acid sequence which is at least 70% homologous to SEQ ID NO:1, said inhibitor having ~~has~~ a pI of greater than about 7.0 and ~~has~~ a molecular weight of about 40-43 kDa as measured by SDS-PAGE and, said inhibitor is able to resolve ~~resolving~~ as two separate bands on SDS-PAGE after reduction with β -mercaptoethanol, said two separate bands having molecular weights of about 30 kDa and about 10 kDa.

50. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 48 wherein said protein or glycoprotein comprises an amino acid sequence of SEQ ID NO:1.

51. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 49 wherein said protein or glycoprotein comprises an amino acid sequence of SEQ ID NO:1 and said two separate bands comprise an amino acid sequence of SEQ ID NO:1 and SEQ ID NO:2, respectively.

52. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 48 wherein said inhibitor is obtainable from a cereal plant, or fraction thereof.

53. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 49 wherein said inhibitor is obtainable from a cereal plant, or fraction thereof.

E 54. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 48 wherein said inhibitor is obtainable from a plant, or fraction thereof, selected from the group consisting of wheat, rye, triticale, barley, sorghum, oats, maize and rice.

55. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 49 wherein said inhibitor is obtainable from a plant, or fraction thereof, selected from the group consisting of wheat, rye, triticale, barley, sorghum, oats, maize and rice.

56. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 50 wherein said inhibitor is obtainable from a plant, or fraction thereof, selected from the group consisting of wheat, rye, triticale, barley, sorghum, oats, maize and rice.

57. (Previously Added) The isolated proteinic or glycoprotein inhibitor of claim 51 wherein said inhibitor is obtainable from a plant, or fraction thereof, selected from the group consisting of wheat, rye, triticale, barley, sorghum, oats, maize and rice.

58. (new). An isolated proteinic or glycoprotein inhibitor of xylanase, which inhibitor is a water-soluble, alkaline protein or glycoprotein, which protein or glycoprotein has a pI of greater than about 7.0 and has a molecular weight of about 40-43 kDa as measured by SDS-PAGE and is able to resolve as two separate bands on SDS-PAGE after reduction with β -mercaptoethanol, said two separate bands having molecular weights of about 30 kDa and about 10 kDa.

59. (new) The isolated proteinic or glycoprotein inhibitor of claim 49 wherein said protein or glycoprotein comprises an amino acid sequence of SEQ ID NO:1.

60. (new) The isolated proteinic or glycoprotein inhibitor of claim 58 wherein said protein or glycoprotein comprises an amino acid sequence of SEQ ID NO:1.

61. (new) The isolated proteinic or glycoprotein inhibitor of claim 58 wherein said protein or glycoprotein comprises an amino acid sequence of SEQ ID NO:1 and said two separate bands comprise an amino acid sequence of SEQ ID NO:1 and SEQ ID NO:2, respectively.

62. (new) The isolated proteinic or glycoprotein inhibitor of claim 58 wherein said inhibitor is obtainable from a cereal plant, or fraction thereof.

63. (new) The isolated proteinic or glycoprotein inhibitor of claim 58 wherein said inhibitor is obtainable from a plant, or fraction thereof, selected from the group consisting of wheat, rye, triticale, barley, sorghum, oats, maize and rice.

E
64. (new) The isolated proteinic or glycoprotein inhibitor of claim 59 wherein said inhibitor is obtainable from a plant, or fraction thereof, selected from the group consisting of wheat, rye, triticale, barley, sorghum, oats, maize and rice.
